

---

Amendment 1 to AWIPS CONTRACTOR INTERFACE NOTE 1 (for Electronic Systems Analysts)

Engineering Division

W/OSO31: WJB

- Subject : Amendment 1 to Installation of Punchdown Blocks at AWIPS Communication Demarcation Point Dedicated Circuit Interface - (Figures 3 and 5).
- Purpose : Provides additional installation information and a standard convention for interconnection of Dedicated Circuit Interface - (Figures 3 and 5).
- General : For proper operation of the NEXRAD/AWIPS narrow band comms, the transmit pair on one end (NEXRAD) must be connected to the receive pair on the other end (AWIPS) and vice versa.
- For collocated RPGs, the transmit (XT and XR) pair and the receive pair (RT and RR) must be swapped at the AWIPS DEDICATED Punchdown Block as shown in the attached Figure 6. This only applies to collocated RPGs (narrowband comms: 9.6 or 14.4 kbps). This does not apply to any remote RPG connection using dedicated telephone line (e.g. Remote DOC, DoD, or FAA connection).
- For remote sites, the telephone company should have already swapped the transmit (XT and XR) pair with the receive pair (RT and RR).
- Effect on Other Instructions : AWIPS CONTRACTOR INTERFACE NOTE 1 - Dedicated Circuit Interface - (Figures 3 and 5).
- Point of Contact : If you have any questions, please contact Walid Bannoura at the National Weather Service Headquarters at 301-713-1847 x120.

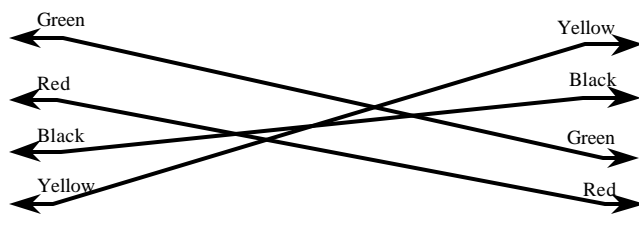
John McNulty  
Chief, Engineering Division

### **RPG Punch-down Block**

Xmit Tip  
Xmit Ring  
Rec Tip  
Rec Ring

### **AWIPS Punch-down Block**

Xmit Ring  
Xmit Tip  
Rec Tip  
Rec Ring



Adjust modem transmit levels on NEXRAD and AWIPS to -15 dBm.  
If -15 dBm does not work, increase the power level at each end by  
increments of 3 dBm until satisfactory operation is achieved.

**Figure 6 - AWIPS to Co-located RPG**

W/OSO31:WJBannoura:713-1847x120:  
U:\OSO31\WALIDB\AWIPS\NOTES\C\_int1\_a.wpd  
spell checked:5.14.98:nmb

EHB-13, Ser II  
Issuance 98-